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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/759,066

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Wen-Han Chang

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07/29/2004

CHANG, Wen-Han  
PO Box 82-144  
Taipei,  
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EXAMINER

NINO, ADOLFO

ART UNIT

PAPER NUMBER

2831

DATE MAILED: 07/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/759,066

Applicant(s)

CHANG, WEN-HAN

Examiner

Adolfo Nino

Art Unit

2831

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 20 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

***Claim Objections***

Claims 1-4 are objected to because of the following informalities:

Claim 1, line 5, "the center hole" should be ---a center hole---. Is this the same center hole as the one of line 11? Examiner interpreted to be the same center hole.

Claim 1, line 6, "the front edge seat" should be ---a front edge seat---. Is this the same front edge seat as the one in line 11? Examiner interpreted to be the same one.

Claim 1, line 7, "the center shaft" should be ---a center shaft---.

Claim 1, line 8, "the bending section" should be ---a bending section---.

Claim 1, line 9, "the circumferential wall" should be ---a circumferential wall---.

Claim 1, line 9, before "edge seat" insert ---front--- in order for the claim to be consistent with the terms and easier to understand.

Claim 1, line 11, after "sliding" insert ---disc---.

Claim 1, line 11, replace "has" with ---with---.

Claim 1, lines 16-17, delete "direction" in both occurrences.

Claims 2-4, line 1, after "coiling cord" insert ---device---.

Claim 2, line 2, before "limiting" insert ---the---.

Claim 4, should this claim depend on claim 3 instead of claim 1? If not, then replace "the front direction retraction cord end" with ---a front direction retraction cord end---, same for the "the rear direction retraction".

Claim 4, line 3, after "retraction" insert ---cord---.

Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by Edwards et al. (US 6,616,080 B1).

Regarding claim 1, as best understood by the Examiner, Edwards et al. disclose a retractable coiling cord device (figs. 5A, 5B, 27) comprising a front cover (20), a spiral spring (60), a sliding disc (30), a retraction cord (12a, 12 c), a positioning bead (73 in fig. 5A, 773 in fig. 27) and a rear cover (70, 770), characterized in that the front cover having an inner edge with a center shaft (21 in fig. 5A) for engaging the center end of the spiral spring is mounted with the rear cover using a screw nut via the center hole of the sliding disc; the spiral spring (60) is positioned within the front edge seat of the sliding disc and has a center end to engage with the center shaft of the front cover and the bending section at the outer edge end of the spiral spring is positioned at the circumferential wall of the edge seat so that the spiral spring is restricted between the front cover and the sliding disc (figs. 5A, 5B, 27); the sliding disc has a center hole (31 in fig. 5A) and a disc body (30) has a front edge seat (30c) and a rear edge seat (30d) and the front edge seat uses a through hole (31) provided on a blocking plate (30b) to lead the retraction cord to the rear edge seat so that the retraction cord is formed into a front direction retraction cord and a rear direction cord and the external edge of the rear direction edge seat is provided with a clip plate (30b), and the rear direction edge seat is

provided with a limiting end with a positioning slot and a railing slot (34) for the positioning of the positioning bead (73, 773); the retraction cord (12a, 12c) is being retracted via the through hole of the sliding disc to the rear direction edge seat such that the retraction cord is formed into the front direction cord and the rear direction cord and is secured at the middle position by the clip plate provided at the outer edge of the rear direction edge seat (fig. 5B); the positioning bead is positioned at the limiting slot of the rear cover and the limiting end at the positioning slot and the railing slot; and the rear end is locked to the front cover by a screw nut and the inner face of the rear cover is provided with the limiting slot for positioning the positioning bead to reciprocate up and down.

Regarding claim 2, Edwards et al. disclose the coiling cord of claim 1, wherein the positioning slot on the sliding disc and limiting end of the railing slot produce one positioning mechanism when the retraction cord rotates one round (col. 9, lines 45-50).

Regarding claim 3, Edwards et al. disclose the coiling cord of claim 1, wherein the retraction cord (12) is divided into a front direction retraction cord (12a) and a rear direction retraction cord (12b).

Regarding claim 4, Edwards et al. disclose the coiling cord of claim 1, wherein the front direction retraction cord end is a conductive end or a transmission end, and the rear direction retraction end is connected to the interior of an object (fig 25).

### ***Conclusion***

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The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Leyba et al. (US 6,276,502 B1) disclose a flat extension cord. Yeh (US 6,682,008 B2) disclose a cable storage box. Kovacik et al. (US 6,273,354 B1) disclose a retracting extension cord reel. Banister (US 3,705,962) discloses an electrical cord retracting mechanism. Liao (US 6,199,674 B1) discloses a structure of a wire-winding box. Ryder et al. (US 3,657,491) disclose a cord reel.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Adolfo Nino whose telephone number is (571) 272-1981. The examiner can normally be reached on M-F (7:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean A Reichard can be reached on (571) 272-2800 ext. 31. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AN

  
**WILLIAM H. MAYO**  
**PRIMARY EXAMINER**